

# SEQUENCE LISTING

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<120> ANTIBODY DIVERSITY GENERATION

<130> 0241.310us

<140> US 09/704,469

<141> 2000-11-01

<150> US 60/176,002

<151> 2000-01-12

<150> US 60/163,370

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<170> FastSEQ for Windows Version 4.0

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<212> PRT

<213> Mus musculus

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			20					25					30		
Trp	Asn	Met	Trp	Val	Arg	Gln	Ser	Pro	Glu	Lys	Gly	Leu	Glu	Trp	Val
		35				40						45			
Ala	Glu	Ile	Arg	Ser	Lys	Ser	Ile	Asn	Ser	Ala	Thr	His	Tyr	Ala	Glu
	50				55					60					
Ser	Val	Lys	Gly	Arg	Phe	Thr	Ile	Ser	Arg	Asp	Asp	Ser	Lys	Ser	Ala
65				70				75					80		
Val	Tyr	Leu	Gln	Met	Ile	Asp	Leu	Arg	Ile	Glu	Asp	Thr	Gly	Val	Tyr
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Tyr	Cys	Ser	Arg												
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<213> Homo sapiens

<400> 2

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Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Ser Tyr  
                   20                  25                  30  
 Ala Asn His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
                   35                  40                  45  
 Gly Trp Ile Asn Pro Lys Ser Asn Ser Gly Asn Thr Lys Tyr Ser Gln  
                   50                  55                  60  
 Lys Phe Gln Gly Arg Val Thr Ile Thr Arg Asp Thr Ser Ala Ser Thr  
 65                  70                  75                  80  
 Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr  
                   85                  90                  95  
 Tyr Cys Ala Arg  
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 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala  
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 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
                   20                  25                  30  
 Tyr Asn His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
                   35                  40                  45  
 Gly Trp Ile Asn Pro Lys Ser Asn Ser Gly Gly Thr Asn Tyr Ala Gln  
                   50                  55                  60  
 Lys Phe Gln Gly Arg Val Thr Ile Thr Arg Asp Thr Ser Ala Ser Thr  
 65                  70                  75                  80  
 Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr  
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 Tyr Cys Ala Arg  
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<210> 4  
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 <212> PRT  
 <213> Homo sapiens

<400> 4  
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 Ser Val Lys Val Ser Arg Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr  
                   20                  25                  30  
 Tyr Asn Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
                   35                  40                  45  
 Gly Trp Ile Asn Thr Lys Ser Asn Thr Gly Asn Pro Thr Tyr Ala Gln  
                   50                  55                  60  
 Gly Phe Thr Gly Arg Phe Val Phe Ser Leu Asp Thr Ser Val Ser Thr  
 65                  70                  75                  80  
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 20 25 30  
 Ala Ile His Trp Val Arg Gln Ala Pro Gly Gln Arg Leu Glu Trp Met  
 35 40 45  
 Gly Trp Ile Asn Ala Lys Ser Gly Asn Gly Asn Thr Lys Tyr Ser Gln  
 50 55 60  
 Lys Phe Gln Gly Arg Val Thr Ile Thr Arg Asp Thr Ser Ala Asn Thr  
 65 70 75 80  
 Ala Tyr Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr  
 85 90 95  
 Tyr Cys Ala Arg  
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 Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ile Leu Thr Thr Tyr  
 20 25 30  
 Tyr Asn His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met  
 35 40 45  
 Gly Leu Ile Asn Pro Lys Ser Ser Gly Gly Ser Gly Gly Asn Ile His  
 50 55 60  
 Lys Phe Gln Gly Arg Leu Thr Met Thr Arg Asp Thr Ser Thr Ser Thr  
 65 70 75 80  
 Val Tyr Met Glu Met Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr  
 85 90 95  
 Phe Cys Ala Arg  
 100